

**United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologics  
P. O. Box 844  
Ames, IA 50010**

- 1. Reagent Name:** *Clostridium chauvoei* Flagella-specific (7D11/YD7) Monoclonal Antibody (MAb)
- 2. Strain or Source:** 7D11 and YD7 hybridomas
- 3. Lot Number:** IRP 608
- 4. Fill Date:** 23Jan14
- 5. Expiration Date:** No expiration date has been assigned to this product. Stability of this MAb will be routinely monitored by the Center for Veterinary Biologics.

**Precautions:** There are no known hazards associated with the use of this reagent.

- 6. Intended Use:** IRP 608 is for use in a capture enzyme-linked immunosorbent assay (ELISA) as described in **BBPRO0220** for potency testing of *C. chauvoei* bacterins.
- 7. Instructions for Use:** The MAb murine ascites fluid is provided undiluted in 100 µL amounts. For use in the ELISA, the ascites fluid should be diluted approximately 1:1000 in carbonate coating buffer. For detailed instructions see **BBPRO0220**.
- 8. Test of Reagent:** Signal to Noise test was conducted to determine the optimum use dilution for this reagent. The specificity of the MAb was demonstrated by ELISA using partially purified *C. chauvoei* flagella and whole cell antigens of *Clostridium haemolyticum*, *Clostridium perfringens*, and other clostridial species.
- 9. Container Size, Type, Weight, or Volume:** 100 µL aliquots in 0.5 mL screw cap plastic vials.
- 10. Storage Conditions:** Store at -20°C or lower. Once the ascites fluid has been thawed, store at 2°- 7°C.
- 11. CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.
- 12. Origin and Passage History:** Not applicable.

**13. Method of Preparation:** Ascites fluid was collected from tumors that developed in BALB/C mice injected with hybridoma 7D11 and YD7. Ascites fluid was filtered and frozen at -70°C.

**14. Other:** None

Reagent orders and feedback should be sent *including phone number* to the following email address: [CVB@aphis.usda.gov](mailto:CVB@aphis.usda.gov)

Reagent orders forms (APHIS 2018) are available from:  
[http://www.aphis.usda.gov/animalhealth/cvb\\_forms](http://www.aphis.usda.gov/animalhealth/cvb_forms)

**REVISED: 16Jun14 tlt**